

**Fire Services Board & Board of Housing and Community Development
STATEWIDE FIRE PREVENTION CODE DEVELOPMENT COMMITTEE
2012 CODE CHANGE CYCLE – BOOK 4
March 25, 2013**

SUPPLEMENTAL PACKAGE

TAB 1

Proposal	Description of Change	Page No.
103.2	Administrative provisions (revised staff proposal)	8 and 9
106.3	Third party inspections (revised staff proposal)	12
5607.16	Blast records (revised staff proposal)	26-30

TAB 3 – Add pages 59 on to Book 4

Additional correspondence received on proposals since Book 4 was distributed.

VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2012 Code Change Cycle

Code Change Number: _____

Proponent Information

(Check one): ☐ Individual ☐ Government Entity ☐ Company

Name: DHCD Staff (Suggested revisions to the FSBCC proposal on permits) (Revised)

Proposal Information

Code(s) and Section(s): SFPC permit sections

Proposed Change (including all relevant section numbers, if multiple sections):

103.2 Amendments. All requirements of the referenced codes and standards that relate to fees, permits, unsafe notices, disputes, condemnation, inspections, ~~scope of enforcement~~ and all other procedural, and administrative matters are deleted and replaced by the provisions of Chapter 1 of the SFPC and the applicable amendments to the provisions of the referenced codes and standards set out in this code.

Amendments to Table 107.2 (as set out in the FSBCC proposal)

Replace the language in all permits sections indicated in the FSBCC proposal with permissive language to match the language in Section 107.2 of the SFPC and correct the back reference in those sections to Section 107.2 as indicated in the provision below:

301.2 Permits. Permits ~~shall~~ may be required as set forth in Section ~~405.6~~ 107.2 for the activities or uses regulated by Sections 306, 307, 308 and 315.

901.2 Construction documents. The fire code official ~~shall have the authority to require construction documents and calculations for all fire protection systems and to require permits be issued for the installation, rehabilitation or modification of any fire protection system. Construction documents for fire protection systems shall be submitted for review and approval prior to system installation may request copies of relevant construction documents and calculations from the USBC inspection authority for alterations to existing fire protection systems.~~

Supporting Statement (including intent, need, and cost impact of the proposal):

This suggested DHCD staff proposal follows the intent of the FSBCC proposal to correlate the permit provisions in the International Fire Code (IFC) with the permit provisions in the SFPC, but eliminates unintended consequences that would be the result of the FSBCC proposal. The FSBCC proposal deleted the term "permits" and the phrase "scope of enforcement" from Section 103.2. That would have more far reaching implications than just correlating the permit provisions of the IFC as there are permit and scope requirements in sections not referenced in the FSBCC proposal that are in conflict with Chapter 1 of the SFPC and would become enforceable. The staff proposal accomplishes the same purpose without the conflicts by adding clarification that state amendments to the IFC are also enforceable as written.

The staff proposal uses the term "may" in the permit sections in the IFC since Section 107.2 of the SFPC does not require permits, but only authorizes the enforcing agency to determine which permits it will require.

The revised suggested DHCD staff proposal deletes "scope of" before "enforcement" to eliminate the confusion raised concerning whether the phrase "scope of enforcement" can affect the scope of a referenced standard. The revised proposal also moves the suggested construction document language to Section 901.2 of the IFC as a state amendment.

Submittal Information

Date Submitted: _____

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR SBCO (State Building Codes Office)
600 East Main Street
Suite 300
Richmond, VA 23219

Email Address: Vernon.hodge@dhcd.virginia.gov
Fax Number: (804) 371-7092
Phone Numbers: (804) 371-7150



VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2012 Code Change Cycle

Code Change Number: _____

Proponent Information

(Check one): ☐ Individual ☐ Government Entity ☐ Company

Name: DHCD Staff (Suggested revisions to the VBCOA Admin Committee proposal on third party inspections)
(Revised) _____

Proposal Information

Code(s) and Section(s): SFPC Section 106.3

Proposed Change (including all relevant section numbers, if multiple sections):

Amend Section 106.3 of the SFPC to read as follows:

106.3 Inspections. The fire official is authorized to conduct such inspections as are deemed necessary to determine the extent of compliance with the provisions of this code and to approve reports of inspection by approved agencies or individuals in accordance with written policy. All reports of such inspections by approved agencies or individuals shall be prepared and submitted in writing for review and approval. Inspection reports shall be certified by a responsible officer of such approved agency or by the responsible individual. The fire official is authorized to engage such expert opinion as deemed necessary to report upon unusual, detailed or complex technical issues in accordance with local policies.

Supporting Statement (including intent, need, and cost impact of the proposal):

This suggested DHCD staff proposal scales back the VBCOA Admin Committee proposal for third party inspection policies as there were comments in the DHCD-sponsored workgroup meetings that the SFPC already provided for third party inspections. However, this proposal establishes the need for a written policy. This revised proposal is just to revise the supporting statement as was suggested.

Submittal Information

Date Submitted: _____

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR SBCO (State Building Codes Office)
600 East Main Street
Suite 300
Richmond, VA 23219

Email Address: Vernon.hodge@dhcd.virginia.gov
Fax Number: (804) 371-7092
Phone Numbers: (804) 371-7150

Motion to approve as amended;
motion carries



VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
DIVISION OF BUILDING AND FIRE REGULATION

Code Change Form for the 2012 Code Change Cycle

Code Change Number: _____

Proponent Information

(Check one): ☐ Individual ☐ Government Entity ☐ Company

Name: DHCD Staff (Suggested revisions to the FSBCC proposal on blasting records) (Revised)

Proposal Information

Code(s) and Section(s): SFPC Section 5607.16

Proposed Change (including all relevant section numbers, if multiple sections):

5607.16. Blast records. A record of each blast shall be kept and retained for at least five years and shall be readily available for inspection by the code official. The record shall ~~contain the following minimum data:~~ be compiled by filling out Form 5607.16 in Appendix K. Alternate forms may be used provided they contain all the information required by Form 5607.16.

1. Name of contractor;
2. Location and time of blast;
3. Name of certified blaster in charge;
4. Type of material blasted;
5. Number of holes bored and spacing;
6. Diameter and depth of holes;
7. Type and amount of explosives;
8. Amount of explosive per delay of 8 milliseconds or greater;
9. Method of firing and type of circuit;
10. Direction and distance in feet to nearest dwelling, public building, school, church, commercial or institutional building;
11. Weather conditions;
12. Whether or not mats or other precautions were used;
13. Type of detonator and delay period;
14. Type and height of stemming; and
15. Seismograph record when utilized.

Exception: Subdivisions 8 and 13 of this section are not applicable to restricted blasters.

(See the attached Form 5607.16)

Supporting Statement (including intent, need, and cost impact of the proposal):

The FSBCC proposal references a table which is essentially a form, but does not require its use. The DHCD staff suggested revision makes it clear that it is a form and moves it to an appendix rather than having the form in the text of the code. This is to be consistent with the style guidelines for Virginia regulations. The staff draft also permits the use of a different form as long as all information is provided.

Submittal Information

Date Submitted: _____

Date Submitted: _____

The proposal may be submitted by email as an attachment, by fax, by mail, or by hand delivery.

Please submit the proposal to:

DHCD DBFR SBCO (State Building Codes Office)
600 East Main Street
Suite 300
Richmond, VA 23219

Email Address: Vernon.hodge@dhcd.virginia.gov
Fax Number: (804) 371-7092
Phone Numbers: (804) 371-7150



**Form 5607.16
Blast (shot) Record**

Block 1

General Information

1	Blast date:	Blast No.:	Blast Time:	Permit No.:
2	Blast location by address including city, county or town:			
3	Blast location by GPS coordinates: <input type="checkbox"/> check box if unknown			
4	Name of Permit Holder:			
5	Name of Blaster in charge (print):			
6	Signature of Blaster in charge:			
7	Certification Number of Blaster in charge:			

Block 2

General environmental conditions

1	Weather (Clear? Cloudy? Overcast?)	Wind direction and speed @ _____ mph	Temperature F° / C°
2	Topography: (Flat? Hilly? Mountainous?)	Distance from blast site to nearest inhabited building:	Distance from nearest inhabited building determined by: <input type="checkbox"/> GPS coordinates <input type="checkbox"/> Measurement <input type="checkbox"/> Estimated
3	Use of nearest inhabited building? (Dwelling? Business? Apartment Building? School?)	Direction from blast site to nearest inhabited building:	Direction from blast site to nearest inhabited building determined by: <input type="checkbox"/> GPS instrument <input type="checkbox"/> Compass <input type="checkbox"/> Estimated
Additional Blaster notations on environmental conditions:			

Block 3			
Shot layout and precautions taken (N/A = Not Applicable)			
1	No. of holes	Diameter of hole(s)	Depth of hole(s)
2	Were any holes decked? <input type="checkbox"/> Yes <input type="checkbox"/> No	How many holes were decked? <input type="checkbox"/> N/A	How many decks per hole? <input type="checkbox"/> N/A
	(If applicable, indicate on any attached shot pattern drawing which holes were decked and the number of decks for the hole[s].)		
3	Shot pattern <input type="checkbox"/> Check this box if only single hole.	Depth of sub-drilling	Drilling angle
4	Burden	Spacing of holes	Water height
5	Stemming height	Material used for stemming	Check box for flyrock precautions taken <input type="checkbox"/> Mats <input type="checkbox"/> Overburden <input type="checkbox"/> None taken
Additional Blaster notations on shot layout and precautions:			

Block 4			
Seismic control measures (N/A = Not Applicable)			
1	Was Scaled Distance Formula used? <input type="checkbox"/> Yes <input type="checkbox"/> No	Indicate which Scaled Distance equation was used. <input type="checkbox"/> N/A <input type="checkbox"/> $W(lb)=[D(ft)/50]^2$ <input type="checkbox"/> $W(lb)=[D(ft)/55]^2$ <input type="checkbox"/> $W(lb)=[D(ft)/65]^2$	Max. Allow. Chg. Wt. per 8 ms based on Scaled Distance. <input type="checkbox"/> N/A
2	Was seismograph used? <input type="checkbox"/> Yes <input type="checkbox"/> No	Seismograph manufacturer and model number: <input type="checkbox"/> N/A	Seismograph serial number: <input type="checkbox"/> N/A
			Seismograph's last calibration date. <input type="checkbox"/> N/A
3	Distance and direction seismograph from blast site <input type="checkbox"/> N/A	Distance determined by: <input type="checkbox"/> N/A <input type="checkbox"/> GPS coordinates <input type="checkbox"/> Estimated <input type="checkbox"/> Measurement	
4	Seismograph <input type="checkbox"/> N/A Geophone Minimum Frequency _____ Hz Seismograph Microphone Minimum Frequency _____ Hz	Seismograph recordings: <input type="checkbox"/> N/A Transverse _____ in/s _____ Hz Vertical _____ in/s _____ Hz Longitudinal _____ in/s _____ Hz Acoustic _____ dB _____ Hz	
5	Seismograph trigger level <input type="checkbox"/> N/A _____ in/s _____ dB		
Additional Blaster notations on seismic control measures:			

Block 5**Quantity and product**

1	Max. Allow. Chg. Wt. per 8 ms Interval _____ lbs <input type="checkbox"/> Delay not used	Initiation (Check) <input type="checkbox"/> Electric <input type="checkbox"/> Non-electric <input type="checkbox"/> Electronic		
2	Max. No. of Holes/Decks per 8 ms interval _____ lbs <input type="checkbox"/> Delay not used			
3	Max. Wt. or sticks of Explosive per hole _____ lbs	Firing device manufacturer and model: <input type="checkbox"/> N/A		
Explosive Product listing (Attach additional pages as needed.)				
4	<u>Manufacturer</u>	<u>Product name, description or brand</u>	<u>Number of units</u>	<u>Unit weight (lb)</u>
5	Total explosive weight in this shot: _____ lbs.			
Additional Blaster notations on product and quantities: 				

Block 6**Completion of shot record and general comments**

General comments on shot not included in notes above:

Date shot report completed:		Time shot report completed:	
Printed name and signature of person completing shot report if different from Block 1, Lines 5 and 6.	(Print)		
	(Signature)		